

~~not be deformed over time by the constant flow of traffic;~~

~~c. an~~ electro-mechanical generating pumps, having a means of producing electrical current,

~~such~~ said means further comprising:

i. an upper piston cap having an interior cavity and a top endpiece, the top endpiece having an upper surface and a lower surface from which a descending driver arm extends into the interior cavity;

ii. a base piston shell having an interior cavity and a base member, the upper piston cap and the base piston shell being compressibly connected by at least one spring, ~~such~~ said base member having an upper surface and a lower surface; and

iii. an electrical generator affixed to the upper surface of the base member, the electrical generator having a drive gear engaging the descending driver arm attached to the top endpiece; and

~~d.~~ electrical conductor wires extending through the base piston shell connecting the electrical conductor wires to an electrical apparatus or to a location where generated electrical current may be stored or collected for remote use.

5. (Amended) A method of producing electrical energy by using the potential energy of automobile traffic in a roadway comprises the steps of:

~~a.~~ providing a device having a deformable upper plate, a plurality of electro-mechanical generator pumps, a rigid lower plate and electrical conductor wires whereby compression of the electro-mechanical generating pumps between the deformable upper plate and the rigid lower plate produces a usable electrical current through the electrical conductor wires ;

- b. preparing a roadbed to firmly support the device;
- c. placing the device on the prepared roadbed ;
- d. applying a paved road surface over the device which would allow vehicular traffic to pass over such paved road surface; and
- e. attaching the electrical conductor wires to an electrical apparatus or to a location where generated electrical current may be stored or collected for remote use.

Clean versions of Claims 2 and 5.

2. A device for producing electrical energy by using the potential energy of automobile traffic in a roadway comprising:

a deformable upper plate having an upper surface, a series of individual rigid tread plates linked together by a linking plate and linking pins;

a rigid lower plate, having a lower surface, which is a single sheet of material;

electro-mechanical generating pumps, having a means of producing electrical current, said means further comprising:

an upper piston cap having an interior cavity and a top endpiece, the top endpiece having an upper surface and a lower surface from which a descending driver arm extends into the interior cavity;

a base piston shell having an interior cavity and a base member, the upper piston cap and the base piston shell being compressibly connected by at least one spring, said base member having an upper surface and a lower surface; and

an electrical generator affixed to the upper surface of the base member , the electrical generator having a drive gear engaging the descending driver arm attached to the top